Exhibit F

July 20, 2021

IN THE UNITED STATES DISTRICT COURT DISTRICT OF MASSACHUSETTS CASE NO.: 1:19-CV-12551-FDS

SINGULAR COMPUTING LLC,

Plaintiff,

-VS-

GOOGLE LLC,

Defendant.

SCHEDULED REMOTE VIDEOTAPED DEPOSITION OF KAMRAN SHAFIEI VIA ZOOM PLATFORM

Tuesday, July 20, 2021 9:27 - 9:47 a.m. Pacific

WITNESS LOCATION: Los Gatos, California 95032

Reported By: Wendy Beath Anderson, RDR, CRR, CRC Notary Public, State of Florida Esquire Deposition Services West Palm Beach Office Job #J7282555

1 .	APPEARANCES:
2	On behalf of the Plaintiff:
3	MICHAEL J. ERCOLINI, ESQUIRE PRINCE LOBEL TYE, LLP
4	One International Place, Suite 3700 Boston, Massachusetts 02110
5 6	mercolini@princelobel.com
	On behalf of the Defendant:
8	MICHELLE YBARRA, ESQUIRE
9	CHRISTOPHER SUN, ESQUIRE KEKER VAN NEST & PETERS, LLP 633 Battery Street
10	San Francisco, California 94111 mybarra@keker.com
11	
12 13	ALSO PRESENT:
14	JENNIFER POLSE, ESQUIRE, GOOGLE IN-HOUSE COUNSEL
15	CHRIS MADDEN, HOFFMAN ALVARY
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2	INDEX	
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5	WITNESS: DIRECT CROSS REDIRECT RECROSS	
6	KAMRAN SHAFIEI	
7	BY MR. ERCOLINI: 21	
8	BY WIK. ERCOLINI. 21	
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1	PROCEEDINGS
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3	Deposition taken before Wendy Beath Anderson,
4 F	Registered Diplomate Reporter, Certified Realtime
5 F	Reporter and Notary Public in and for the State of
6 F	lorida at Large, in the above cause.
7	
8	THE VIDEOGRAPHER: Good morning. We are now
9	on the record. The time is now 11:00 sorry
10	9:27 a.m. Pacific time on Tuesday, July 20th, 2021.
11	This begins the videotaped deposition of Mr. Kamran
12	Shafiei taken in the matter of Singular Computing
13	LLC, versus Google LLC.
14	The videographer today is myself, Carlos
15	Andreu, and the court reporter is Wendy Anderson.
16	We are both representing Esquire Deposition
17	Solutions.
18	Counsel, will you please announce your name
19	and whom you represent, after which the court
20	reporter will swear in the witness. You may
21	proceed.
22	MR. ERCOLINI: Michael Ercolini of Prince
23	Lobel Tye in Boston for the plaintiff, Singular
24	computing, LLC.
25	MS. YBARRA: Michelle Ybarra from Kecker Van

1	Nest and Peters for defendant, Google.
2	MR. SUN: Christopher Sun from Kecker Van Nest
3	and Peters for defendant, Google.
4	(Witness sworn by the court reporter.)
5	THE WITNESS: I do.
6	MS. YBARRA: Before we begin the examination
7	today, it's important that we clarify some things
8	on the record regarding the scope of Mr. Shafiei's
9	deposition testimony today.
10	As Mr. Ercolini knows, Mr. Shafiei has been
11	designated to testify on Topics 10, 11, 12, 13, 18,
12	20 to 25 and 30, consistent with the scope set
13	forth in Exhibit D to the declaration of Andrew
14	Brunz in support of Google's June 21st opposition
15	to Singular's motion to compel.
16	At the June 30th hearing on that motion, Judge
17	Cabell ordered Google to provide a witness on
18	Topic 36, which Mr. Shafiei is also prepared to
19	testify on and Google discussed the substance of
20	the June 30th hearing with Singular in numerous
21	letters and memorialized Google's agreement to
22	produce Mr. Shafiei on these topics in a
23	July 2nd letter to Singular.
24	Until yesterday, Singular never raised any
25	disagreement regarding the scope of the topics for

1	which Mr. Shafiei's been designated and Singular
2	never indicated any intent to renege on positions
3	t took before the Court at the June 30th hearing.
4	Yet, last night Mr. Ercolini informed Google for
5	the first time of Singular's new position that
6	Mr. Shafiei should be prepared to address the full
7	scope of those topics as drafted, notwithstanding
8	Judge Cabell's clear ruling on the record at the
9	une 30th hearing that several of those topics as
10	drafted are overbroad and improper. And I'm
11	referring specifically to, for example, Topic 18,
12	which seeks 30(b)(6) testimony on P&L statements of
13	any product or business segment responsible or
14	formally responsible for the accused services.
15	Judge Cabell said explicitly that the topic as
16	drafted is too out there and, quote, too broad.
17	Singular's e-mail last night sent the night
18	before Mr. Shafiei's deposition demanding that
19	Mr. Shafiei testify on the full scope of that topic
20	and others completely disregard the guidance from
21	Judge Cabell.
22	MR. ERCOLINI: Can we hurry this up?
23	MS. YBARRA: Let me finish, Mr. Ercolini,
24	please.
25	Upon receiving Singular's e-mail, Singular

1	informs Google it intends to put Mr. Shafiei up for
2	deposition only once and only on the scope of the
3	topics reflected in the chart filed with the Court,
4	which Singular never disputed and, in fact,
5	represented to Judge Cabell at the hearing
6	reflected the resolution of the parties' dispute.
7	Singular's refused to limit its deposition of
8	Mr. Shafiei to the deposition topics and the scope
9	previously agreed on by the parties and discussed
10	with the Court.
11	Mr. Shafiei's cleared his schedule today.
12	He's prepared to testify on the topics I identified
13	earlier as limited in the chart provided by the
14	Court, plus Topic 36, but we're prepared to proceed
15	with the deposition today only upon Singular's
16	confirmation that Mr. Ercolini will limit his
17	questions properly to the scope of the topics as
18	agreed to and discussed with the Court and not seek
19	additional time with Mr. Shafiei or any 30(b)(6)
20	witness on those same topics later.
21	Absent that agreement, we intend to suspend
22	today's deposition and seek immediate guidance from
23	Judge Cabell on this new dispute which we had
24	thought was put to bed weeks ago. I've asked
25	Mr. Ercolini to provide for me

1	MR. ERCOLINI: This is my deposition
2	MS. YBARRA: Mr. Ercolini, I'm almost done.
3	Please stop interrupting me.
4	MR. ERCOLINI: I'm going to give you another
5 1	minute.
6	MS. YBARRA: Let me finish.
7	MR. ERCOLINI: I'm going to give you another
8 1	minute.
9	MS. YBARRA: Mr. Ercolini, I asked you to
10	provide that confirmation before you began your
11	examination. You refused to provide it over
12	e-mail. I'm asking you to provide it here on the
13	record. If you don't agree, state your the
14	basis for your position, your disagreement and then
15	we should go off the record and contact the Court.
16	MR. ERCOLINI: So the rule is that if I notice
17	a deposition, you have to appear for it. Absent a
18	protective order that's in place or you're seeking
19	a protective order or you sought a protective
20	order, you have to produce a witness. If you don't
21	do it, you can be sanctioned.
22	If you're telling me you're going to suspend
23	the deposition and you're going to refuse to
24	produce the witness on the topics which he's been
25	designated on, that's up to you, but I'm going to

1	respond to a few of the things that you said.
2	First of all, the exhibit that you're
3	referring to was an exhibit that was attached to an
4	opposition to a motion to compel. At no point
5	during the hearing did Singular abandon any topics,
6	as was suggested last evening. We've made clear
7	what we were seeking. We never abandoned any of
8	the topics. I take issue with everything that's
9	been said about what Judge Cabell said during that
10	hearing. He did not exclude any topics. He
11	certainly didn't draft that exhibit, as you just
12	suggested, which is off the wall.
13	If Mister if you're telling me that
14	Mr. Shafiei is not prepared to testify on the
15	topics on which he's been designated today, that's
16	fine. If you choose to present the witness without
17	his answering questions, I'm going to take that as
18	failing to appear, but I would like to get
19	questions in today.
20	I'm not going to waive any right to redepose
21	Mr. Shafiei if he's unprepared for topics today.
22	I'm not going to waive any right to take witnesses
23	on the 30(b)(6) topics that we've provided.
24	So if you're telling me that you're going to
25	yank the witness because we've not agreed to waive

1 that right, that's up to you. I'm going to take 2 that as a failure to appear. We will move for 3 sanctions and we can take it from there. 4 But I really would like to get the deposition 5 underway, if we can. 6 MS. YBARRA: Are you finished, Mr. Ercolini? 7 MR. ERCOLINI: I am. 8 MS. YBARRA: I disagree with your 9 characterization of the record and my statements, 10 and I didn't suggest Judge Cabell off the chart --11 MR. ERCOLINI: You said --12 MS. YBARRA: Mr. Ercolini, would you stop 13 interrupting me, please. It's improper and it's 14 rude and it makes hard for the court reporter to 15 take a proper record here. Let me finish. 16 MR. ERCOLINI: This is not your deposition. 17 So if you want to keep grandstanding, you're going 18 to do it on mute. MS. YBARRA: Mr. Ercolini, are you done 19 20 interrupting me? 21 MR. ERCOLINI: I've had it. You've had about 22 five minutes of uninterrupted jabbering. I'm done. 23 So if you want to yank the witness, yank the 24 witness. That's up to you. But I'm not going to 25 sit here through speaking objections.

	SINGULAR COMPUTING LLC V. GOOGLE	11
1	MS. YBARRA: We are going to suspend the	
2	deposition today in light of Singular's refusal to	
3	abide by the agreements and comply with the	
4	guidance provided by Judge Cabell at the June 30th	
5	hearing, and I will note for the record please,	
6	Mr. Ercolini, I see you're eager to jump in there,	
7	but let me finish my sentence and then you can	
8	state your response.	
9	I will note for the record that Singular's	
10	reneging on agreements that the parties had reached	
11	weeks after the parties memorialized those in	
12	writing. It is improper and itself sanctionable	
13	conduct.	
14	MR. ERCOLINI: I want you to point me to	
15	exactly where we agreed to the limitations that	
16	you're proposing. All I asked for last evening,	
17	and I want to make this absolutely clear, is for	
18	you to confirm which portions of which topics	
19	Mr. Shafiei was going to be prepared to testify on	
20	today. You did not do that. I asked you three	
21	separate times. You still cannot do it.	
22	We can sit here right now and you can tell me	
23	what portions of the topics he's prepared to	
24	testify on and that's it. We'll move forward on	

those. But I asked that three separate times, did

25

1	not hear anything back and I've not seen a single
2	hing where we agreed to limit the scope of the
3	opics, and in a completely undefined way, I'll
4	add, because you still cannot tell me what portions
5	of the topics he's prepared to testify on today.
6	Can you tell me right now?
7	MS. YBARRA: Are you finished?
8	MR. ERCOLINI: Can you tell me right now? I
9	want an answer to what portions of the topics is he
10	prepared to testify on, which is he not.
11	MS. YBARRA: I'll caution you to watch your
12	tone with me and stop interrupting me. Are you
13	finished?
14	MR. ERCOLINI: I'm not talking. I just asked
15	a question. Can you answer the question?
16	MS. YBARRA: Yes. And we responded in writing
17	this morning, again, pointing you to the chart
18	let me finish, Mr. Ercolini the chart submitted
19	to the Court reflecting the scope of what we agreed
20	to provide Mr. Shafiei to testify on, and in
21	addition to that, Topic 36 which was ordered by
22	Judge Cabell at the hearing. The chart sets forth
23	the scope of what Google is willing to provide a
24	witness on.
25	We discussed this explicitly with the judge at

1	the hearing and the judge had reviewed the chart
2	and he said you know, you need to look back at
3	the hearing transcript and he said Google has
4	been willing to make somebody available to talk
5	about certain things and information, referring to
6	the chart. Singular, at that hearing you said that
7	the issues that the motions had been resolved
8	and we moved forward to talk about another one.
9	MR. ERCOLINI: I did not say the motions were
10	resolved.
11	MS. YBARRA: Mr. Ercolini
12	MR. ERCOLINI: You're not going to pile lie
13	upon lie. That's not our agreement. That's your
14	chart saying what you're willing to provide him
15	for. I asked you to provide where we agreed to
16	that scope.
17	MS. YBARRA: Counsel has just called me a liar
18	on the record and I think we I think
19	MR. ERCOLINI: Oh, my God.
20	MS. YBARRA: we're done here.
21	MR. ERCOLINI: No, I said you piled lie upon
22	lie, which is absolutely true. If you're yanking
23	the witness because you're offended by my saying
24	that you're lying, I'd ask you to stop telling
25	falsehoods on the record.

1	So I want you to tell me where we agreed to
2	the scope that you said is in Exhibit D.
3	MS. YBARRA: Mr. Ercolini, we've stated our
4	position in writing and now again on the record. I
5	think we're ready to suspend today's deposition.
6	MR. ERCOLINI: You have not provided an answer
7	to that question.
8	MS. YBARRA: You've interrupted me now a tenth
9	time.
10	MR. ERCOLINI: This is my deposition
11	MS. YBARRA: We're ready to suspend the
12	deposition.
13	MR. ERCOLINI: which you are grandstanding.
14	MS. YBARRA: We're going to seek guidance from
15	the Court on this. Are you ready to go you off the
16	record?
17	MR. ERCOLINI: What's that? No, I want to ask
18	the witness questions.
19	MS. YBARRA: We are not going to proceed with
20	today's deposition absent an agreement from
21	Singular to abide by the scope that we have that
22	has been in place for weeks. I understand that
23	you're
24	MR. ERCOLINI: There's no scope in place
25	because you can't even tell me what it is. Tell me

1	what the scope is right now. Tell me what the
2	scope is right now.
3	MS. YBARRA: This is the Mr. Ercolini,
4	every time I speak, you interrupt me. You've now
5	called me a liar, you've interrupted me a dozen
6	times on the record. Please watch yourself.
7	MR. ERCOLINI: I asked you four times please
8	tell me what the scope is.
9	MS. YBARRA: The scope is memorialized in
10	Chris Sun's e-mail from this morning, plus your
11	prior correspondence.
12	MR. ERCOLINI: Let's read through the e-mail,
13	then, and find what the scope is.
14	MS. YBARRA: I think we're done here.
15	MR. ERCOLINI: No, I don't think we're done.
16	We're going to get this on the record. We're going
17	to read through Chris Sun's e-mail and you're going
18	to point to me where the scope is.
19	MS. YBARRA: Absolutely. In the attachment to
20	Chris Sun's e-mail this morning, and as
21	memorialized in our July 2nd letter, and as
22	discussed multiple times in meet-and-confers by the
23	parties, I'm going to read this into the record and
24	you will not interrupt me, Mr. Ercolini.
25	MR. ERCOLINI: What meet-and-confers?

MS. YBARRA: Mr. Ercolini
MR. ERCOLINI: You're not going to make
grandstanding statements.
MS. YBARRA: you asked for the scope.
MR. ERCOLINI: When did we meet and confer
about Exhibit D?
MS. YBARRA: You asked me about the scope.
'm going to read that into the record. Do you
want that or not?
MR. ERCOLINI: You're saying that we agreed
to. I'm asking you to tell me where we agreed to
that scope.
MS. YBARRA: We discussed this at length at
the hearing with Judge Cabell.
MR. ERCOLINI: We discussed a motion to compel
testimony of this witness of Google on a number
of topics. Where did we say we agree to the scope
in Exhibit D?
MS. YBARRA: At the hearing, the June 30th
hearing before Judge Cabell.
MR. ERCOLINI: I got the setting.
MS. YBARRA: Mr. Ercolini
MR. ERCOLINI: You need to tell me where in
the transcript
MS. YBARRA: every time I try to answer

1	your question, you interrupt me.
2	MR. ERCOLINI: No, we agreed to a general time
3	when apparently we did it. I'm asking you to tell
4	me the specific time where we said yeah, we agree
5	to the scope in Exhibit D.
6	MS. YBARRA: Are you going to let me finish?
7	MR. ERCOLINI: I'm going to ask you over and
8	over again to tell me where we agreed to the scope
9	of Exhibit D. You said in multiple
10	meet-and-confers. When did those meet-and-confers
11	happen?
12	MS. YBARRA: Mr. Ercolini, at the hearing
13	before Judge Cabell, Singular indicated to the
14	Court that its motions had been resolved as a
15	result of the agreements that we put on the record,
16	which was Google agreed to produce a witness
17	consistent with the scope reflected in Exhibit D.
18	MR. ERCOLINI: And that's what Matt said he
19	was willing to produce a witness in accordance with
20	the scope of Exhibit D.
21	MS. YBARRA: That is what he represented to
22	the Court at the hearing.
23	MR. ERCOLINI: You were ordered to provide
24	testimony on the average cost of data centers. You
25	were ordered to provide testimony to the extent it

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1 exists on incremental references or any other 2 segment that uses the accused TPUs. We did not 3 withdraw any of the topics. Those have been 4 noticed. You've been aware of them for guite some 5 time and there's no motion for protective order. 6 You designated him on those topics. I can't 7 think this is anything but a bait-and-switch that 8 you designated him on the topics and then you 9 pulled him. You did the same thing on Friday. 10 This is completely inappropriate. You're not 11 allowed to say we object to the topics, therefore, 12 we're not going to produce somebody. 13 In the absence of a protective order, you're 14 taking the witness -- having him fail to appear is 15 sanctionable. If you want to go down that road, we 16 can do that. We've not reneged on a single thing. 17 You've not pointed me to a single thing where we've 18 agreed to the scope you're suggesting. It's 19 nowhere in the record. MS. YBARRA: That's just false, Mr. Ercolini. 20 21 And Mr. Shafiei is prepared to testify on Topic 36, 22 which is a clear holding that came out of the 23 June 30th hearing. Judge Cabell ordered Google to 24 provide a witness on that and Mr. Shafiei's 25 prepared to testify on that.

1	MR. ERCOLINI: You're saying that was the
2	exclusion of all other topics.
3	MS. YBARRA: Absolutely not. I've made my
4	position clear. I'm trying to Mr. Ercolini,
5	again, quit interrupting. You're being extremely
6	rude, unprofessional. I tried to read the topics
7	nto the record.
8	MR. ERCOLINI: You want to talk
9	MS. YBARRA: We're done here. We're ready to
10	go off the record. We're ready to go off the
11	record. We're going to suspend the deposition.
12	MR. ERCOLINI: Okay. Again, you're doing that
13	unilaterally. We've noticed him. You've failed to
14	appear for the deposition. That's how we're taking
15	it. And to the extent you failed to respond to the
16	topics and there are a number of topics for
17	which there are no designations those are also
18	failures to appear. And there's a failure to
19	appear from Friday for all topics for which the
20	witness was not prepared. That's three.
21	So if you want to do that, that's up to you.
22	But it's 12:44. We've been going for 40 minutes
23	now, and I haven't gotten a single question in.
24	I'd like really like to start the deposition.
25	MS. YBARRA: We're not proceeding with the

1	deposition today. Singular's intent to re-litigate
2	issues that were already discussed with the Court
3	and have been decided
4	MR. ERCOLINI: Listen, you can just object and
5	say it's out of scope, and if you don't want the
6	witness to testify on it, he won't testify on it.
7	MS. YBARRA: We're ready to go off the record.
8	Mr. Ercolini, I've made my position clear. I think
9	you have too. We're going to have to take it up
10	with the judge.
11	MR. ERCOLINI: Okay. Well, that's the third
12	failure to appear inside of a week. So feel free
13	to take it up with the judge. This is completely
14	inappropriate. We're three days out from the close
15	of fact discovery and this is the nth month that
16	Google has failed to produce a witness on these
17	topics.
18	So if you're going to pull the witness, I'll
19	go off line. I'm not going to do it first. I'm
20	waiting to question the witness. By the way, I'm
21	not counting any of this against our time.
22	MS. YBARRA: Madam court reporter, we're ready
23	to go off the record.
24	THE VIDEOGRAPHER: Do all parties agree to go
25	off the video record?

1	MR. ERCOLINI: I don't. So you're going to
2	have to shut it off. Shut off your video if you're
3	going to pull the witness, but I'm going to go
4	ahead and question the witness.
5	MS. YBARRA: No, we're not proceeding with
6	today's deposition in light of Singular's intent to
7	re-litigate issues.
8	Thereupon,
9	(KAMRAN SHAFIEI)
10	having been first duly sworn or affirmed, was examined
11	and testified as follows:
12	DIRECT EXAMINATION
13	BY MR. ERCOLINI:
14	Q. Mr. Shafiei, do you understand that you're
15	appearing today as a 30(b)(6) witness?
16	MS. YBARRA: Mr. Ercolini, I think your
17	manners are really wanting here.
18	MR. ERCOLINI: I think you need to stop with
19	the speaking objections.
20	MS. YBARRA: You're being unprofessional.
21	BY MR. ERCOLINI:
22	Q. Mr. Shafiei
23	MS. YBARRA: We're done today. Thank you.
24	Mr. Shafiei, we're going to leave. We're
25	going to exit the room. Thank you.

MR. ERCOLINI: All right. THE VIDEOGRAPHER: Going off the video record at 9:46 a.m. (Deposition was adjourned at 9:46 a.m.)

1 CERTIFICATE OF OATH 2 STATE OF FLORIDA 3 COUNTY OF PALM BEACH 4 5 6 I, the undersigned authority, certify that 7 Kamran Shafiei personally appeared before me and was 8 duly sworn on the 20th day of July, 2021. 9 10 Witness my hand and official seal this 20th 11 day of July, 2021. 12 13 14 15 16 Wendy Beath Anderson, RDR, CRR, CRC Notary Public State of Florida 17 My Commission Expires: 9/20/2021 My Commission No.: GG 109736 18 19 Job #J7282555 20 21 22 23 24 25

1	CERTIFICATE	
2	STATE OF FLORIDA	
3	COUNTY OF PALM BEACH	
4		
5	I, Wendy Beath Anderson, Certified Realtime	
6	Reporter and Notary Public in and for the State of Florida at Large, do hereby certify that I was	
7	authorized to and did stenographically report said deposition of KAMRAN SHAFIEI; that a review of the	
8	transcript was not requested; and that the foregoing transcript is a true record of my stenographic notes.	
9	I FURTHER CERTIFY that I am not a relative,	
10	employee, or attorney, or counsel of any of the parties, nor am I a relative or employee of any of the parties'	
11	attorney or counsel connected with the action, nor am I financially interested in the action.	
12	The foregoing certification of this transcript	
13	does not apply to any reproduction of the same by any means unless under the direct control and/or direction	
14	of the certifying reporter.	
15		
16	Dated this 20th day of July, 2021.	
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18		
19	Wendy Beath Anderson, RDR, CRR, CRC	
20	Job #J7282555	
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